

## CLAIMS

1. A medical film comprising a gelatin film,  
wherein a reinforcing material that is made of a biodegradable  
5 polymer further is provided,  
the reinforcing material is disposed so as to extend over an entire  
area in a plane direction of at least one of a surface and an internal part of  
the gelatin film,  
the reinforcing material and the gelatin film are integrated with each  
10 other.
2. The medical film according to claim 1, wherein the reinforcing material is  
laminated on at least one film surface of the gelatin film so as to extend over  
an entire area of the film surface.
- 15 3. The medical film according to claim 1, wherein the reinforcing material is  
disposed on at least one film surface of the gelatin film so that a part or an  
entirety of the reinforcing material is inside the gelatin film, and the  
reinforcing material and the gelatin film are integrated due to gelling of  
20 gelatin that has infiltrated partially or entirely in an internal part of the  
reinforcing material.
4. The medical film according to claim 1, wherein the reinforcing material is  
embedded entirely in the gelatin film, and the reinforcing material and the  
25 gelatin film are integrated due to gelling of gelatin that has infiltrated  
entirely in an internal part of the reinforcing material.
5. The medical film according to claim 1, wherein the medical film is in a

sheet form or in a cylindrical form.

6. The medical film according to claim 1, wherein the reinforcing material is at least one selected from the group consisting of a fabric body, a film body,  
5 and a sponge body.

7. The medical film according to claim 6, wherein the fabric body is at least one selected from the group consisting of a nonwoven fabric, a woven fabric, a knitted fabric, and a braid.

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8. The medical film according to claim 6, wherein the fabric body is at least one fabric body selected from the group consisting of a complex of a nonwoven fabric and a woven fabric, a complex of a nonwoven fabric and a knitted fabric, and a complex of a nonwoven fabric and a braid.

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9. The medical film according to claim 7, wherein the fabric body is a nonwoven fabric manufactured by at least one method selected from the group consisting of melt blowing, needle punching, spunbonding, and flash spinning.

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10. The medical film according to claim 7, wherein the fabric body is a knitted fabric and is at least one of a warp knitted fabric and a twin knit.

11. The medical film according to claim 1, wherein the reinforcing material  
25 is processed by hot pressing.

12. The medical film according to claim 1, wherein the reinforcing material has a density in a range of 3 g/m<sup>2</sup> to 200 g/m<sup>2</sup>.

13. The medical film according to claim 1, wherein the reinforcing material has a thickness in a range of 10  $\mu\text{m}$  to 1000  $\mu\text{m}$ .
14. The medical film according to claim 1, wherein the reinforcing material  
5 has a yarn threading tension in a range of 0.3 N to 200 N.
15. The medical film according to claim 1, wherein the biodegradable polymer is at least one polymer selected from the group consisting of polylactic acid, lactic acid-caprolactone copolymer, and polyglycolic acid.
- 10 16. The medical film according to claim 15, wherein a molar ratio (A:B) of lactide (A) and caprolactone (B) in the lactic acid-caprolactone copolymer is in a range of 85:15 to 40:60.
- 15 17. The medical film according to claim 1, wherein the reinforcing material is subjected to a hydrophilicity imparting treatment.
18. The medical film according to claim 17, wherein the hydrophilicity  
imparting treatment is at least one treatment selected from the group  
20 consisting of plasma treatment, glow discharge treatment, corona discharge treatment, ozone treatment, graft treatment, coating, chemical treatment, and ultraviolet irradiation.
19. The medical film according to claim 1, wherein the gelatin film is a  
25 cross-linked gelatin film.
20. The medical film according to claim 19, wherein the gelatin film is cross-linked by at least one method selected from the group consisting of

ultraviolet treatment, heat treatment, and chemical cross-linking agent treatment.

21. The medical film according to claim 20, wherein the gelatin film is  
5 subjected to the ultraviolet treatment and the heat treatment.

22. The medical film according to claim 20 or 21, wherein the gelatin film is  
cross-linked by the ultraviolet treatment under conditions of a power of an  
ultraviolet lamp of 4 W to 40 W, an irradiation time of 0.1 hour to 100 hours,  
10 and an irradiation distance of 5 cm to 100 cm.

23. The medical film according to claim 20 or 21, wherein the gelatin film is  
cross-linked by the ultraviolet treatment under conditions of an ultraviolet  
intensity of 0.05 mW/cm<sup>2</sup> to 50 mW/cm<sup>2</sup> and an ultraviolet dose of 1 J/cm<sup>2</sup> to  
15 100 J/cm<sup>2</sup>.

24. The medical film according to claim 20 or 21, wherein the gelatin film is  
cross-linked by the heat treatment carried out under vacuum at a  
temperature of 60°C to 180°C for 5 minutes to 72 hours.

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25. The medical film according to any one of claims 1 to 24, wherein a time  
of presence of the gelatin film in a living body is in a range of 12 hours to 90  
days.

25 26. The medical film according to any one of claims 1 to 25, wherein the  
gelatin film has a thickness in a range of 20 μm to 2000 μm.

27. The medical film according to any one of claims 1 to 26, wherein a

concentration of endotoxin contained in the gelatin is not more than 200 EU/g.

28. The medical film according to any one of claims 1 to 27, which serves as  
5 an antiadhesive material.